

FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV. 01-2003)		ATTORNEY'S DOCKET NUMBER:  038665.55793US U.S. APPLICATION NO. (if known, see 37 CFR 1.5)  <b>10/521744</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		
INTERNATIONAL APPLICATION NO.  PCT/GB2004/004896	INTERNATIONAL FILING DATE  19 November 2004 (19.11.2004)	PRIORITY DATE CLAIMED  21 November 2003 (21.11.2003)
TITLE OF INVENTION <b>WIDEBAND ANTENNA AND RECEIVER CALIBRATION</b>		
APPLICANT(S) FOR DO/EO/US <b>Michael Richard RICHARDSON</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached herewith.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 USC 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))</li> <li>10. <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Item 11. to 20. below concern other document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</li> <li>20. <input checked="" type="checkbox"/> Other items or information:             <ol style="list-style-type: none"> <li>a. Two (2) sheets of drawings showing Figures 1-2</li> </ol> </li> </ol>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5 <b>10/521744</b>		INTERNATIONAL APPLICATION NO. PCT/GB2004/004896		ATTORNEY'S DOCKET NUMBER <b>038665.55793US</b>	
21. The following fees are submitted:					
CALCULATIONS PTO USE ONLY					
\$					
<input checked="" type="checkbox"/> a) Basic national fee..... \$300.00					
<input checked="" type="checkbox"/> b) Examination fee..... \$200.00					
<input checked="" type="checkbox"/> c) Search fee..... \$500.00					
<b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>					
<b>\$1,000.00</b>					
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each add'l 50 or fraction thereof (round up to a whole number)	RATE		
13- 100 =	/50 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
\$					
Claims	Number Filed	Number Extra	Rate		
Total Claims	8 - 20 =	15	X \$50.00		
Independent Claims	1 - 3 =	0	X \$200.00		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$360.00		
<b>\$</b>					
<b>TOTAL OF ABOVE CALCULATIONS = \$</b>					
<input type="checkbox"/> Applicant claims Small Entity Status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					
\$					
<b>SUBTOTAL = \$1,000.00</b>					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					
\$					
<b>TOTAL NATIONAL FEE = \$1,000.00</b>					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					
\$ 40.00					
<b>TOTAL FEE ENCLOSED = \$1,040.00</b>					
Amount to be: \$					
refunded \$					
Charged \$					
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,040.00</u> for the filing fee and for the assignment recording fee is enclosed					
b. <input type="checkbox"/> Please charge my Deposit Account No. <u>05-1323</u> (Attorney Docket No. ==) in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. <u>05-1323</u> . (ATTORNEY DOCKET NO. <u>038665.55793US</u> ) A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
<i>Gary R. Edwards</i>					
Crowell & Moring, LLP					
SIGNATURE					
Intellectual Property Group					
Gary R. Edwards					
P.O. Box 14300					
NAME					
Washington, D.C. 20044-4300					
31,824					
Tel. No. (202) 624-2500					
REGISTRATION NUMBER					
Fax No. (202) 628-8844					
January 19, 2005					
GRE:kms 356319v1					
DATE					